



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 31 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

George L. Meindl  
FMC CORP.  
ACG SPECIALITY PRODUCTS  
1735 Market Street  
Philadelphia, PA 19103

Subject: Label Amendment Submission of 07/09/93 in Response to PR Notice 93-7  
EPA Reg. No. 279-3105  
TALSTAR FLOWABLE INSECTICIDE/MITACIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola ink on paper that  
contains at least 50% recycled fiber

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Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,

Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division

George L Meindl  
FMC CORP.  
ACG SPECIALITY PRODUCTS  
1735 MARKET STREET  
PHILADELPHIA PA 19103

Comment for: EPA Reg Nr.279-3105  
TALSTAR FLOWABLE INSECTICIDE/MITACIDE

The following specific comments pertain to your WFS labeling submission concerning the product cited above:

The glove requirement for "mixers and loaders" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber; neoprene rubber, polyvinyl chloride, or viton" under "Mixers and Loaders must wear:". The exact location is shown in Sections A and C on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Remove the statement "Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), ~~notification to workers and~~ restricted-entry interval."

Protective eyewear is not required for early entry. Delete "Protective eyewear" from the Agricultural Use Requirements box on your proposed labeling.

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Code 1349

Net Contents



FLOWABLE - INSECTICIDE/MITICIDE

EPA Reg. No. 279-3105

EPA Est. 279-

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

Active Ingredient:	By Wt.
β-fenanthrin: (2-methyl [1,1'-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,5-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate* .....	7.9%
Inert Ingredients .....	92.1%
	100.0%

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

279-3105

\*Cis isomers 97% minimum, trans isomers 3% maximum.  
U.S. Patent No. 4,238,505

Talstar Flowable contains 3/4 pound active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See other panels for additional precautionary information.

**STATEMENT OF PRACTICAL TREATMENT**

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If in eyes: Flush with plenty of water. Call a physician if irritation persists.

**Note to Physician:**

This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Emergency Assistance Call (800) 331-3148.

**PRECAUTIONARY STATEMENTS  
Hazards to Humans (and Domestic Animals)**

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust (vapor or spray mist.)

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish in adjacent sites. Do not contaminate water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your state or Tribe, consult the agency responsible for pesticide regulation.



FMC Corporation  
Agricultural Chemical Group  
Philadelphia PA 19103

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**BEST AVAILABLE COPY**

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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks
- Protective eyewear

### STORAGE AND DISPOSAL

#### Pesticide Storage

Do not store below 35°F. (2°C).

Keep out of reach of children and animals. Store in original containers only. Store in a cool dry place and avoid excess heat. Carefully open containers. After partial use, re-close and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Contain spills. Call FMC (800) 331-3148.

To contain spill: If liquid, rake surrounding area or absorb with sand, cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

#### Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### Container Disposal

Plastic Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## TALSTAR FLOWABLE INSECTICIDE/MITICIDE

Greenhouse Grown Ornamental Trees, Shrubs,  
Plants, and Flowers. Non-bearing Fruit and Nut Trees

Pests	Rate lb ai/ 10 gal.	Rate oz/ 10 gal.	Comments
Aphids	0.004	0.80	Apply the specified rate as a full coverage lower spray. Repeat as necessary to achieve control using higher rates as pest pressure and foliage area increases.  To control Bagworm: Apply when larvae begin to hatch. Spray larvae directly. Applications made when larvae are young will be most effective.  To control scale crawlers and twig borers: Treat trunks, stems, and twigs in addition to plant foliage.  Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated prior to application of the entire planting.  Use of an alternate class of chemistry in a treatment program is recommended to prevent or delay pest resistance.
Armyworms	to	1c	
Bagworm	0.02	4.0	
Brown Soft Scale			
Broad Mite			
California Red Scale			
(crawlers)			
Corn Earworm			
Cucumber Beetle			
Cutworms			
Ext. Leaf Beetle			
Fall Webworm			
Flea Beetles			
Fungus Gnat			
Heliothis sp.			
Lacebugs			
Leafhoppers			
Leaf-feeding Caterpillars			
Loopers			
Mealybugs			
Oriental Fruit Moth			
Pine Needle Scale			
(crawlers)			
Pine Tip Moths			
Plant Bugs (including Lygus spp.)			
San Jose Scale (crawlers)			
Whiteflies			
Citrus Trips	0.006	1.2	
Beet Armyworm	to	to	
European Red Mite	0.02	4.0	
Leafrollers			
Spider Mites			
Trips			
Twig Borers			
Japanese Beetle	0.01	2.0	
to	to	to	
Leafminer	0.02	4.0	
Pecan Leaf Scorch Mite			

Do not apply this product through any type of irrigation system.

### Ounces of Talstar Flowable/Gallons of Finished Spray

Rate lb ai	1 gal.	3 gal.	5 gal.	25 gal.	100 gal.
0.005		1/4	1/2	2 1/2	10
0.010	1/2	1/2	1	5	20

**BEST AVAILABLE COPY**